



Sheet 1380

High- μ Magnetic Shielding with Thermosetting Rubber Adhesive

Data Sheet

Product Description

3M™ High- μ Magnetic Shielding Sheet 1380 consists of a soft magnetic sheet sandwiched between layers of PET polymer film and coated with a unique pressure-sensitive thermosetting rubber adhesive.

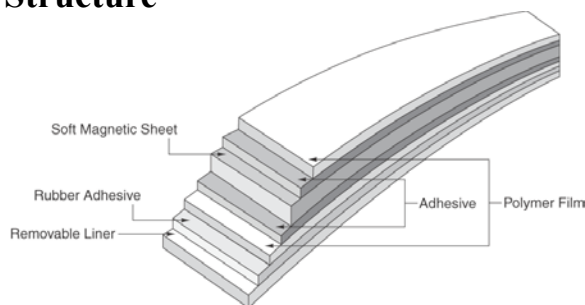
- Soft magnetic sheet with excellent magnetic shielding properties
- Thin, flexible and lightweight magnetic shield layer
- 2 layers of thin, flexible PET polymer film
- Thermosetting rubber adhesive
- Supplied on a removable liner for easy handling and die-cutting

Please consult with sales representatives about custom width and length.

Applications

3M Sheet 1380 is typically used for applications requiring excellent magnetic shielding properties at low frequency. Common uses include magnetic shielding at low frequency in mobile phone, personal computer, CRT, etc.

Structure



Properties	Typical Values for Products	
	1380 Sheet	Grain-Oriented Silicon Steel (as reference)
Total thickness (mm)	0.3	0.35
Typical Values for Magnetic Layer		
Thickness (mm)	0.02	0.35
Magnetic flux density (T)	1.23	1.83
Maximum magnetic permeability @ 50 Hz	100,000	60,000 (@ DC)
Density (g/cc)	7.3	7.65
Resistivity (micro $\Omega \cdot$ meter)	1.2	0.48

3M is a trademark of 3M Company.

Important Notice

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

Warranty; Limited Remedy; Limited Liability. This product will be free from defects in material and manufacture as of the date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** If this product is defective within the warranty period stated above, your exclusive remedy shall be, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Except where prohibited by law, 3M will not be liable for any loss or damage arising from this 3M product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted.**



Electrical Markets Division

6801 River Place Blvd.

Austin, TX 78726-9000

www.3M.com/electrical/oem

Litho in USA

© 3M 2004 78-8126-6598-8-A